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PATENT TRADEMARK OFFICE

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CLAIMS

The invention claimed is:

1. A computer software program for use by medical professionals at the point of care that executes a method to produce accurate and legible prescriptions.
2. A method of claim 1, wherein the method further comprises the step of: locating within a patient demographic database stored within the software program's files, a patient record.
3. A method of claim 2, wherein the method further comprises the step of: selecting a medication from a medical database stored within the software program's files, and then selecting a format for the prescription to be filled by a pharmacist.
4. A method of claim 3, wherein the method further comprises the step of: once a medication is selected, the software program checks any known allergies of a patient. This is done by retrieving information from within the patient demographic file within the software program and cross-referencing that information with that of the chosen medication. If a prior sensitivity of a patient has been indicated within the software program in the past, then the software program searches each "element" of the indicated sensitivity (i.e. penicillin). In the event that penicillin is found to be an element within a prescribed medication, then a warning will appear on screen alerting the medical professional user as to the prior indicated allergy.
5. A method of claim 4, wherein the method further comprises the step of: once a medication is selected, the software program checks any all previously prescribed medications within the system and cross-references these medications with the currently prescribed medication to determine if there is a level of interaction that has been indicated by other users in the field of medicine and pharmaceuticals to ensure safe use. If a previously prescribed medication has an interaction that has been indicated in the past with a currently prescribed medication, then the medical professional user will be alerted to this interaction and told the level of interaction; from high to low. This is done by cross-referencing "elements" and/or compounds of a medication against another medications "elements" and/or compounds.

6. A method of claim 5, wherein the method further comprises the step of: printing a prescription; transmitting via fax a prescription; transmitting via e-mail a prescription.
7. A method of claim 6, wherein the method further comprises the step of: updating the information within the software program's patient information so that information can be easily retrieved, reviewed and worked with.
8. A method of navigation throughout the software program, whereby a single keystroke on a computer keyboard in an "input box" on screen can move the medical professional user between screens and functionality of the program.
9. A method of producing printed reports of patient information and activities performed with the software program for information or archive purposes.
10. A method of refilling medications within a patient's electronic record within the software program. This is done by selecting a patient by any identifying characteristic (name, address, DOB, Social Security number, etc.) and entering the patient's electronic computer file and viewing on-screen the activities, including past medications in precise written format. These formats can be selected with a computer cursor, mouse or keystroke in a "Input Box" within the program.